

Title (en)

Dispersant reaction product with antioxidant capability

Title (de)

REAKTIONSPRODUKT EINES DISPERGIERMITTEL MIT ANTIOXIDATIVEN EIGENSCHAFTEN

Title (fr)

PRODUIT DE REACTION D'UN DISPERSANT PRESENTANT DES PROPRIETES ANTIOXYDANTES

Publication

EP 1669435 A1 20060614 (EN)

Application

EP 05257583 A 20051209

Priority

US 819804 A 20041210

Abstract (en)

A novel crankcase dispersant reaction product having fused therein an antioxidant moiety whereby the dispersant reaction product can function as an antioxidant while retaining at least two structural domains, one being a polar domain for association with sludge and a hydrocarbyl domain for oil solubility, so that the dispersant can function as a chemical agent to suspend sludge and prevent agglomeration of sludge precursors and soot so the latter can be readily removed from the system, such as by filtering, instead of being deleteriously deposited on internal engine components, as well as lubricant compositions incorporating such novel dispersant and, for instance, engines lubricated with such lubricant compositions.

IPC 8 full level

C10L 10/00 (2006.01); **C07D 207/40** (2006.01)

CPC (source: EP KR US)

C07C 49/11 (2013.01 - KR); **C07D 207/408** (2013.01 - KR); **C07D 207/412** (2013.01 - EP US); **C10L 1/238** (2013.01 - EP US); **C10L 10/04** (2013.01 - EP US); **C10L 10/06** (2013.01 - EP US); **C10L 10/18** (2013.01 - EP US); **C10M 105/70** (2013.01 - KR); **C10M 133/16** (2013.01 - EP US); **C10M 159/12** (2013.01 - EP US); **C10M 2207/023** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2070/02** (2020.05 - EP US)

C-Set (source: EP US)

1. **C10M 2215/26 + C10M 2207/023**
2. **C10M 2215/26 + C10M 2207/026**
3. **C10M 2215/26 + C10M 2207/289**
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5. **C10M 2215/28 + C10M 2207/026**
6. **C10M 2215/28 + C10M 2207/289**

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